Amendments to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claims 1-20 (Canceled)

Claim 21 (Currently Amended): An electronic mathematical model builder comprising

a memory for storage of data,

a processor for defining addressable [[sets]] <u>panels</u> of cells stored in the memory with a unique identifier, for entering data into the cells and for processing data stored in the cells,

a user interface with a display for displaying [[sets]] <u>panels</u> of cells in a work area and means for creating and <u>individually and independently</u> positioning [[sets]] <u>panels</u> of cells in the work area and means for specifying data to be entered into the cells, and

a function builder for ~~building~~ <u>establishing a function comprising</u> mathematical relations between <u>panels of</u> cells, comprising fields for user specification of a desired function by mathematical operators<u>,</u> and input variables of the function, and ~~a set of destination cells for containing values of the function~~

wherein the function builder is further adapted for generation of an output panel comprising a plurality of cells to hold output function values.

Claim 22 (Previously Presented): A model builder according to claim 21, wherein the function builder comprises components for selection by the user for specification of the function.

Claim 23 (Previously Presented): A model builder according to claim 22, wherein at least one component is a function component selected from the group consisting of mathematical operators, mathematical functions, logical and Boolean functions, financial functions, string functions, and data base functions.

Claim 24 (Currently Amended): A model builder according to claim [[23]] 21, wherein the function component is a Java class that encapsulates the calculation of a specific function, e.g. a financial or mathematical function[[,]] and the data that is input for the function.

Claim 25 (Previously Presented): A model builder according to claim 22 wherein at least one component is a data component including data of a set of cells.

Claim 26 (Currently Amended): A model builder according to claim 25, wherein the data component is a Java class that holds an object reference to a specific data source[[,]] e.g. a set of cells or an external database.

Claim 27 (Previously Presented): A model builder according claim 21, further comprising data components including data from an external data source.

Claim 28 (Previously Presented): A model builder according to claim 21, wherein the function builder comprises graphical symbols relating to respective components for selection by the user to be incorporated into the desired function.

Claim 29 (Previously Presented): A model builder according to claim 28, wherein the graphical symbols relating to respective components are organized under various tabs according to their type.

Claim 30 (Previously Presented): A model builder according to claim 28, wherein the graphical symbols relating to respective components are organized in a graphical, hierarchical diagram according to their type.

Claim 31 (Previously Presented): A model builder according to claim 28, wherein components are selected by dragging and dropping the corresponding graphical symbols into the function field of the function builder.

Claim 32 (Currently Amended): A model builder according to claim 21, wherein the function builder comprises tools for specification of calculation type[[,]] such as by row, by column, all cells in a panel, selected cells in a panel, accumulated or non-accumulated.

Claim 33 (Previously Presented): A model builder according to claim 21, wherein the user interface comprises means for naming functions built with the function builder.

Claim 34 (Previously Presented): A model builder according to claim 33, further comprising means for storage and retrieval of functions in the memory.

Claim 35 (Previously Presented): A model builder according to claim 21, further comprising means for storing a selected part of the model in the memory.

Claim 36 (Previously Presented): A model builder according to claim 21, wherein a first function may be an input variable to a second function.

Claim 37 (Previously Presented): A model builder according to claim 21, wherein the function builder further comprises tools for user definition of a mathematical operator.

Claim 38 (Previously Presented): A model builder according to claim 21, further including tools for saving a model document as a standalone Java .jar file.

Claim 39 (Currently Amended): A model builder according to claim 21, further including tools for saving a model document as a standalone application[[,]] e.g. a Java Applet, a serverside application e.g. a Java Servlet or an .exe file.

Claim 40 (Previously Presented): A model builder according to claim 21, further including tools for documenting the structure of a specific model document.

Claim 41 (New): A model builder according to claim 21, wherein the function builder is further adapted for automatic generation of a new panel of cells for containing values of the function.

Claim 42 (New): A model builder according to claim 21, further including tools for saving a model document including data.

Claim 43 (New): A model builder according to claim 21, further including tools for saving a model document without data.

Claim 44 (New): A model builder according to claim 21, wherein the processor is further adapted for automatic generation of the required number of destination cells in the output panel.

Claim 45 (New): A model builder according to claim 26, wherein the data source is selected from a panel of cells and an external database.

Claim 46 (New): A model builder according to claim 32, wherein the calculation type is selected from by row, by column, all cells in a panel, selected cells in a panel, accumulated, and non-accumulated.

Claim 47 (New): A model builder according to claim 39, wherein the standalone application is selected from a Java Applet, a serverside application, and an .exe-file.